

## DAFTAR PUSTAKA

- Badan Pusat Statistik Kabupaten Mamuju Tengah. (2022). *Statistik Daerah Kabupaten Mamuju Tengah*.
- Badan Standardisasi Nasional. (2017). *SNI 8460:2017 Persyaratan Perancangan Geoteknik*. Badan Standardisasi Nasional.
- Balai Wilayah Sungai III Sulawesi. (2018). *Album Gambar Perencanaan Pekerjaan: Detail Desain Bendungan Budong-Budong*.
- Barton, N., Lien, R., & Lunde, J. (1974a). Engineering Classification of Rock Masses for the Design of Tunnel Support. *Rock Mechanics Felsmechanik Mécanique des Roches*, 6(4). <https://doi.org/10.1007/BF01239496>
- Barton, N., Lien, R., & Lunde, J. (1974b). Using the Q-system: rock mass classification and support design. *Norwegian Geotechnical Institute*, 57.
- Bieniawski, Z. T. (1989). Engineering Rock Mass Classifications. In *Engineering rock mass classifications: a complete manual for engineers and geologists in mining, civil, and petroleum engineering*. John Wiley & Sons.
- Bieniawski, Z. T. (1993). Classification of Rock Masses for Engineering: The RMR System and Future Trends. *Comprehensive rock engineering*. Vol. 3, 553–573. <https://doi.org/10.1016/B978-0-08-042066-0.50028-8>
- Broch, E., & Franklin, J. A. (1972). The point-load strength test. *International Journal of Rock Mechanics and Mining Sciences and*, 9(6), 669–676. [https://doi.org/10.1016/0148-9062\(72\)90030-7](https://doi.org/10.1016/0148-9062(72)90030-7)
- Casagrande, A. (1948). Classification and Identification of Soils. *Transactions of the American Society of Civil Engineers*, 113, 901–930.
- Dearman, W. R. (1991). *Engineering Geological Mapping, Butterworths Advanced Series in Geotechnical Engineering*. Butterworth-Heinemann.
- Deere, D. U., Peck, R. B., Parker, H. W., Monsees, J. E., & Schmidt, B. (1970). Design of tunnel support systems. *Committee on Soil and Rock Properties*, 339, 26–33. <http://onlinepubs.trb.org/Onlinepubs/hrr/1970/339/339-003.pdf>
- Duncan, J. M. (1996). State of the Art: Limit Equilibrium and Finite Element Analysis of Slopes. *Journal of geotechnical engineering*, July, 577–596.
- Embara, P. (2022). *Laporan Final Pekerjaan Geofisika MASW Bendungan Budong-Budong*.
- Genis, M., Basarir, H., Ozarslan, A., Bilir, E., & Balaban, E. (2007). Engineering geological appraisal of the rock masses and preliminary support design, Dorukhan Tunnel, Zonguldak, Turkey. *Engineering Geology*, 92(1–2). <https://doi.org/10.1016/j.enggeo.2007.02.005>
- Goel, R. K., Jethwa, J. L., & Paithankar, A. G. (1996). Correlation between Barton's

- Q and Bieniawski's RMR—A New Approach. *International Journal of Rock Mechanics and Mining Sciences & Geomechanics Abstracts*, 33(2), 179–181. [https://doi.org/10.1016/0148-9062\(95\)00057-7](https://doi.org/10.1016/0148-9062(95)00057-7)
- Goel, R. K., & Singh, B. (2011). Engineering Rock Mass Classification. In *Engineering Rock Mass Classification*. Butterworth-Heinemann. <https://doi.org/10.1016/C2010-0-64994-7>
- Grimstad, E., & Barton, N. (1993). Updating the Q-system for NMT. In *International Symposium on Sprayed Concrete-Modern Use of Wet Mix Sprayed Concrete for Underground Support*.
- Hardiyatmo, H. C. (2012). *Mekanika Tanah I* (6 ed.). Gadjah Mada University Press.
- Hoek, E. (1994). Strength of Rock and Rock Masses. *ISRM News Journal*, 2, 4–16.
- Hoek, E., & Brown, E. T. (1997). Practical Estimates of Rock Mass Strength. *International Journal of Rock Mechanics and Mining Sciences*, 34, 1165–1186. <https://doi.org/10.1080/03634528709378635>
- Hoek, E., Carranza, C., & Corkum, B. (2002). Hoek-brown failure criterion – 2002 edition. *Narms-Tac*.
- Hoek, E., Kaiser, P. K., & Bawden, W. F. (1995). Support of Underground Excavations in Hard Rock. In *Support of Underground Excavations in Hard Rock*. <https://doi.org/10.2113/gsegeosci.ii.4.610>
- Horspool, N., Athanasius, C., Robiana, R., Solikhin, A., & Griffin, J. (2011). *Peta Kawasan Rawan Bencana Gempa Bumi Provinsi Sulawesi Barat*. Pusat Vulkanologi dan Mitigasi Bencana Geologi.
- Huda, N., Indrawan, I. G. B., & Wilopo, W. (2022). Stability Evaluation of Diversion Tunnel Portal Slopes at Lau Simeme Dam Site, Indonesia, using Limit Equilibrium Method. *Journal of Applied Geology*, 7(1), 41. <https://doi.org/10.22146/jag.58069>
- ISRM. (1978). Suggested Methods for The Quantitative Description of Discontinuities in Rock Masses. In *International Society for Rock Mechanics (ISRM)*.
- Kurniawan, P., & Hadimuljono, M. B. (2021). *Applied Geotechnics for Engineers*. ANDI.
- Marinos, P., & Hoek, E. (2000). GSI: A Geologically Friendly Tool For Rock Mass Strength Estimation. In *ISRM International Symposium*.
- Marinos, P., Marinos, V., & Hoek, E. (2007). Geological Strength Index (GSI). A characterization tool for assessing engineering properties for rock masses. *Underground Works under Special Conditions - Proceedings of the Workshop (W1) on Underground Works under Special Conditions*. <https://doi.org/10.1201/noe0415450287.ch2>

- Najamuddin, N. I., Harisuseno, D., & Juwono, P. T. (2017). *Studi Perencanaan Operasi Waduk Budong-budong Kabupaten Mamuju Tengah Provinsi Sulawesi Barat*. <http://repository.ub.ac.id/6879/>
- Pusat Studi Gempa Nasional. (2017). Peta Sumber dan Bahaya Gempa Indonesia Tahun 2017. In *Fundamentals of Seismic Loading on Structures*. Kementerian Pekerjaan Umum dan Perumahan Rakyat. <https://doi.org/10.1002/9780470742341.ch7>
- Rahardjo, P. P. (2004). *Teknik Terowongan*. Universitas Katolik Parahyangan.
- Rai, M. A., Kramadibrata, S., & Wattimena, R. K. (2013). *Mekanika Batuan*. Institut Teknologi Bandung.
- Ratman, N., & Atmawinta, S. (1993). *Peta Geologi Lembar Mamuju, Sulawesi*. Pusat Penelitian dan Pengembangan Geologi.
- Rocscience Inc. (2002). *Slide 2D Limit Equilibrium Slope Stability for Soil and Rock Slopes User's Guide*. Rocscience Inc.
- Schmid, R. (1981). Descriptive nomenclature and classification of pyroclastic deposits and fragments: Recommendations of the IUGS Subcommittee on the Systematics of Igneous Rocks. *Geologische Rundschau*, 70(2), 794–799. <https://doi.org/10.1007/BF01822152>
- Sivakugan, N., Shukla, S. K., & Das, M. Das. (2013). *Rocks Mechanics an Introduction*. CRC Press.
- Sobirin, S. (1990). *Penyelidikan Geologi Teknik Untuk Pembuatan Terowongan*. Institut Teknologi Bandung.
- Sukido, Sukarna, D., & Sutisna, K. (1993). *Peta Geologi Lembar Pasangkayu, Sulawesi*. Pusat Penelitian dan Pengembangan Geologi.
- Szechy, K. (1967). *The Art of Tunnelling*. Akademiai Kiado.
- Tsiambaos, G., & Saroglou, H. (2009). Excavatability Assessment of Rock Masses Using the Geological Strength Index (GSI). *Bulletin of Engineering Geology and the Environment*, 69(1), 13–27. <https://doi.org/10.1007/s10064-009-0235-9>
- van Bemmelen. (1949). *The Geology of Indonesia Vol. IA General Geology Indonesia and Adjacent Archipelagoes*. Government Printing Office, The Hague.
- van Zuidam, R. A. (1983). *Guide to Geomorphologic Aerial Photographic Interpretation and Mapping*. ITC.